

## LEXUS PARKING ASSIST SYSTEM

### 1. Clearance Sonar

#### Changed from Previous Model

On the previous model, if the clearance sonar ECU detected a clearance sonar sensor that was frozen, it indicated the same warning message as an open circuit. Due to the possibility of mistaking a frozen sensor for an open circuit, the warning messages have been changed on the new LS430 as follows.

Sonar Condition	Item	Warning Message	
		New Model	Previous Model
Open	Multi-information display	Check Sonar	Check Sonar
	Multi display	CHECK PARK SONAR	CHECK PARK SONAR
Frozen	Multi-information display	<b>Clean</b> Sonar	<b>Check</b> Sonar
	Multi display	<b>CLEAN</b> PARK SONAR	<b>CHECK</b> PARK SONAR

#### Operation

The operating conditions have been changed in order to stop the operation of the sensors that are not needed while the vehicle is being driven forward or in reverse.

: Changed    ○: Active    x: Not active

Condition			Display and Buzzer				
			Front Sensor			Rear Sensor	
Shift Position	Vehicle Speed or Engine Speed	Obstacle Distance	RH, LH	Center RH, LH	Corner RH, LH	RH, LH	Corner RH, LH
P	None	None	x				
N	6.2 mph (10 km/h) or less and 1,500 rpm	Approx. 50 cm (20 in.) or less	○			x	
		Approx. 50 ~ 100 cm (20 in. ~ 39.4 in.)	○*1 x*2	—	—	x	—
	6.2 mph (10 km/h) or more or 2,000 rpm	None	x				
Other P, R or N	6.2 mph (10 km/h) or less and 2,500 rpm	Approx. 50 cm (20 in.) or less	○			x	
		Approx. 50 ~ 100 cm (20 in. ~ 39.4 in.)	○*1 x*2	—	—	x	—
	6.2 mph (10 km/h) or more or 3,000 rpm	None	x				
R	6.2 mph (10 km/h) or less and 2,500 rpm	Approx. 50 cm (20 in.) or less	x	x	○	○	
		Approx. 50 ~ 100 cm (20 in. ~ 39.4 in.)	x	—	—	○*3	—
	6.2 mph (10 km/h) or more or 3,000 rpm	None	x				

\*1: Multi-information Display

\*2: Buzzer

\*3: On a model with multi display, the operating conditions can be changed on the multi display.